

April 16-17, 2002

STATE OF CALIFORNIA

CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD

Base Year Modification Request Certification

Part 1: Generation Study - No Extrapolation Diversion Data

To request a substitution for a previously approved base-year used in calculating the diversion rate for your jurisdiction, please complete and sign this form and return it to your Office of Local Assistance (OLA) representative at the address below, along with any additional information requested by OLA staff. When all documentation has been received, your OLA representative will work with you to prepare for your appearance before the Board. If you have any questions about this process, please call (916) 341-6199 to be connected to your OLA representative.

Mail completed documents to:


California Integrated Waste Management Board
Office of Local Assistance
1001 I Street, 9th Floor
PO Box 4025
Sacramento, CA 95812-4025

General Instructions:

Please select the **ONE** choice below that best explains your request to the Board.

- ☐ 1. Use a recent generation-based study to calculate our current reporting-year generation amount, but not officially change our existing Board-approved base year.
- ☒ 2. Use a recent generation-based study to officially change our existing Board-approved base year to a new base year.

The shaded cells on these sheets are protected. If you have problems using these sheets, please contact your Office of Local Assistance representative.

Section I: Jurisdiction Information and Certification			
<i>All respondents must complete this section.</i>			
I certify under penalty of perjury that the information in this document is true and correct to the best of my knowledge, and that I am authorized to make this certification on behalf of:			
Jurisdiction Name Desert Hot Springs		County Riverside	
Authorized Signature 		Title City Manager	
Type/Print Name of Person Signing Joe Guzzetta	Date 29-May-01	Phone () Include Area Code (970) 329-6411	
Person Completing This Form (please print or type) Robert Kuznik		Title Consultant	
Affiliation:	Consultant to Desert Valley Disposal (City's franchise hauler)		
Mailing Address 65950 Pierson Boulevard	City Desert Hot Springs	State CA	ZIP Code 92240
E-mail address dhscm@yahoo.com			

Section II: Information for New Generation-Based Study for Existing or New Base Year

Attach additional sheets if necessary— reference each response to the appropriate cell number (e.g., 4).

Note: New base years must be representative of a jurisdiction's disposal and diversion.

1. Current Board-approved existing base-year:	2. Proposed new generation-based study year:
1990	1999
3. Explain how the proposed generation study year is representative of average annual jurisdiction disposal and diversion:	
A 5-year analysis of hauler tonnages disposed was performed and the study year was representative of the period for each of the waste generator categories (residential, commercial and industrial).	

4. Enter your diversion rates below.			
Diversion rate calculated using existing base year	a. 15 %	Diversion rate calculated using new generation-based study	b. 24 %
For existing base year pounds/person/day based on generation	6.707	For new generation based study pounds/person/day based on generation	6.512
Residential generation 34 %	Non-Residential Generation 66 %	Residential generation 34% %	Non-Residential generation 66% %
Population existing generation-based study	11,668	Population new generation-based study	15,500
5. If there is an increase between 4a and 4b, please explain how the new diversion rate is consistent with your current diversion implementation efforts. If the proposed new generation tonnage results in an increase in your pounds/person/day, please explain how this is consistent with your current diversion implementation efforts and provide any examples, e.g. change in jurisdiction's demographics.			
The new generation-based approach reflects the results of actual programs that are in place, especially source reduction efforts of large generators and in-house recycling programs of retail grocers and local government.			
6. If the difference between the proposed diversion rates in 4a and 4b is greater than 5 percentage points, please explain the specific reasons for the difference. (For example: new/improved curbside diversion programs.)			
The Waste Diversion Study captured information on actual source reduction and recycling programs that were not reflected in the 1990 base-year approach. The difference also points to suspected problems with accurate identification of jurisdiction of origin for self-haul waste disposed at the local landfill. Self-haul tonnage disposed represents 37.7% of total tonnage disposed. The City requires all premises to subscribe to refuse collection services; conversely, premises in the adjacent unincorporated county area do not face similar requirements. Inasmuch as the city and county premises share post office delivery designations, it is believed that the 1990 base-year and current self-haul tonnage disposal figures are distorted.			

7. Disposal Tonnage: (enter values)	5313	10314	15627
	Residential	Non-Residential	Total

Please select the **ONE** choice below that best explains your **disposal** data and complete the required tables.

☒ a. All tons claimed are from the Board's Disposal Reporting System (No explanation required. Go to Section 8.)

☐ b. All tons claimed are from a 100 percent audit of hauler and self-haul tonnage. (Please complete Reporting Year Tonnage Request and Modification Certification sheet found at <http://www.ciwmrb.ca.gov/igcentral/forms/rynmndq.doc>)

☐ c. Some Disposal Reporting System data were corrected. (Please complete Reporting Year Tonnage Modification Request and Certification sheet found at <http://www.ciwmrb.ca.gov/igcentral/forms/rynmndq.doc>)

8. In the table below, list the summarized diversion activities, and diversion data records that support your claim and are available for Board audit. (Note: The Board expects the jurisdictions to be able to provide all back-up documentation, if requested) Include type of record and location—for example, weight tickets from transfer stations. This section should capture all diversion tonnage (form will perform all addition calculations). If any diversion is from restricted wastes, [agricultural wastes, inert solids (e.g., concrete, asphalt, dirt, etc.), white goods, and scrap metal] please identify those programs/waste types and fill out section 10. Please mark as Attachment 8 all copies of survey forms.

*Please provide detailed Non-Residential waste information in Section 9.

*Please provide detailed non-Residential waste audit information in Section 9.

Note: The Board has indicated that it will be scrutinizing total source reduction amounts greater than 5% of total generation. Please be prepared to provide additional details substantiating your claim.			
Diversion Activity	Actual tons	Relative Percent to Total Generation (A/Total Generation)	Specific conversion factor used (if any) and Source
Please use the Board's program types. The program type glossary is online at: http://www.ciwmrb.ca.gov/igcentral/parts/codes/reduce.htm			
(A)			
Residential Activities:			
Source Reduction			
Backyard composting		0.0%	
Grasscycling		0.0%	
Other Residential source reduction (list each program separately)			
		0.0%	
		0.0%	
		0.0%	
		0.0%	
		0.0%	
Subtotal Residential Source Reduction	0	0.0%	
Recycling			
Curbside Recycling	310	1.5%	ONP, OCC, beverage containers, metal cans
Buyback centers	183	0.9%	Beverage containers
Drop-off centers			Actual Tonnage, Hauler program
			DOC AB2020 Report

Diversion Activity	Actual Tons	Relative Percent to Total Generation (A/T total Generation)	Specific material type(s) (List operation with multiple materials in one box)	Specific conversion factor used (if any) and Source	Type of record and location of record
Please use the Board's program types. The program type glossary is online at: http://www.ciwmrb.ca.gov/tocentral/parts/loodes/reduce.htm					
Other Residential recycling (list each program separately)					
Garage sales	97	0.5%	Household goods	35 t. ea., UCLA Ext. Thrift & Garage Sale, '91	City permit listing, City Hall
Thrift stores	958	4.5%	Household goods	425.7 t. ea., UCLA Thrift & Garage Sale, '91 (@ 75%)	Business license records, City Hall
Telephone Books	2	0.0%	Old telephone books	Actual Tonnage: Hauler program	Hauler records
White goods	35	0.2%	Appliances	Actual Tonnage: Hauler Program	Hauler records
Subtotal Residential Recycling	1594	7.7%			
Composting					
Green waste drop-off	21	0.1%	Residential yard waste		Hauler records
Christmas Tree program	0	0.0%		(Included w/ Yard Waste tonnage)	
Other Residential composting (list each program separately)					
Subtotal Residential Composting	21	0.1%			
Subtotal Residential Diversion	1605	7.8%			
Non-Residential Activities:					
Source Reduction					
Non-Residential Waste Audits*	1216	5.9%		See Section 9	See Section 9
Other non-Residential source reduction (list each program separately)					
Subtotal Non-Residential Source Reduction	1216	5.9%			

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific material type(s) (List operation w/multiple materials in one box)	Specific conversion factor used (if any) and Source	Type of record and location of record
	(A)	(A/Total Generation)			

Please use the Board's program types. The program type glossary is online at: <http://www.ciwmmb.ca.gov/lgccentral/davis/codes/reduce.htm>

Recycling	889	4.3%			
Non-Residential Waste Audits*			See Section 9	See Section 9	See Section 9
Other non-Residential recycling (list each program separately)					

Subtotal Non-Residential Recycling	889	4.3%			

Composting	309	1.5%			
Non-Residential Waste Audits*			See Section 9	See Section 9	See Section 9
Other non-Residential composting (list each program separately)					

Subtotal Non-Residential Composting	309	1.5%			
Subtotal Non-Residential Diversion Residential/Non-Residential	2414	11.7%			
Diversion Activities					
ADC	985	4.8%	Green waste	Actual Tonnage	Disposal Reporting System, County Waste Mgmt.
Sludge					
Scrap metal					
Construction and demolition					
Landfill salvage					
Subtotal Residential/Non-Residential diversion	985	4.8%			
Total Res/Non-Res Source Reduction Tons	1216	5.9%			
Total Diversion Tons	5014	24.3%			
Total Disposal Tons from Sec.7	15627	75.7%			
Total Generation Tons (Div+Dis)	20641				
Diversion Rate	24%				

9. Specific Non-Residential Sector Waste Audits-Top 10 Non-Residential Generators

Please complete this table for the top 10 non-residential generators that were surveyed. List each non-residential generator separately from largest to smallest, based on total diversion tons. Audit reference number ties to your audit sheets.

(Form will perform all addition calculations).

Please provide an attachment 9 which includes all of the generators surveyed. Include for each generator (use type of generator in lieu of specific business name) diversion activity and material type and associated tonnage for each diversion activity/material type, and applicable conversion factors/sources. Include copies of survey form(s) used.

Type of Non-Residential Generator	Audit Reference Number	Specific/Major Diversion Activities Include (e.g. paper recycling, grasscycling). (List activities on one line)	Source Reduction Tons	Recycling Tons	Composting Tons	Total Diversion Tons	Percent of Total Generation (Total Diversion Tons/Total Generation in Section 8)	Survey Method Phone (P) Mail (M) On-site (O) Other
Municipal Gov't	53	Grasscycling, paper reduction, asphalt & concrete recycling, pallet reuse & recycling	220	522	38	780	3.8%	O, P, M
Retail Grocery	9	Pallet reuse, paper, OCC, wood & metal recycling, paper reduction, food waste composting & food donations						O
Retail Grocery	10	Pallet reuse, paper/OCC recycling, grease, lard & meat recycling, food donations	417	187	110	714	3.5%	
Middle School	49	Grasscycling, paper reduction, hauler paper/OCC program	216	135		351	1.7%	O
Waste Treatment	5	Yard waste composting, xeriscaping, paper reduction, pallet reuse, pallet composting	202			202	1.0%	O, P
Elementary School	47	Grasscycling, paper reduction, hauler paper & OCC program, clothing donations	5		160	165	0.8%	O, P
Retail Grocery	11	Paper recycling, produce markdown program, hauler OCC program, OCC reuse	54			54	0.3%	
Elementary School	48	Grasscycling, paper reduction, hauler paper/OCC program, equipment recycling	42			42	0.2%	O
Auto Parts Sales	13	OCC recycling, paper reduction, pallet & shipping container reuse	25			25	0.1%	O
Fast Food Restaurant	22	OCC recycling, food waste recycling	4	9		13	0.1%	O
Totals			1185	865	308	2358	11.4%	

Summarize the non-residential diversion activities for the top 10 generators quantification methodology, and applicable conversion factors and sources. (e.g. Cardboard recycling, quantified by monthly tonnage receipts provided by the contact person at the business)

QUANTIFICATION EXPLANATIONS:

QUANTIFICATION EXPLANATIONS:

Pallets:

- Generator 2: returns 364 tons wooden pallets to distribution center/vendor/yr. for reuse: 40 lbs/pallet (USEPA).
- Generator 1: returns 1 ton wooden pallets to vendors/yr. for reuse: 40lbs/pallet (USEPA).
- Generator 5: returns 0.24 tons wooden pallets to vendor for reuse and recycles 0.72 tons/yr. at local compost facility: 40lbs/pallet (USEPA).
- Generator 3: returns 208 tons wooden pallets to distribution center/vendor for reuse: 40 lbs/pallet (USEPA).

OCC Box Reuse:

- Generator 7: reuses 36 tons OCC by charging customers for bags but providing boxes for customer carryout; tonnage extrapolated utilizing factor of .0044 tons OCC/sq. ft. based upon data from similar business in same retail activity and deducting tonnage recycled in hauler OCC program.

OCC Recycling:

- Generator 2: backhauls 162 tons OCC to central distribution for recycling; supported by weight tickets.
- Generator 3: backhauls 130 tons OCC to central distribution for recycling; supported by weight tickets.
- Generator 10: backhauls 8 tons OCC to central distribution for recycling; supported by weight tickets.

Paper Recycling:

- Generator 2: backhauls 0.10 tons mixed paper to central distribution for recycling; supported by weight tickets.

Paper Reduction:

- Generator 2: reduces paper consumption by 226 reams/yr (0.56 tons/yr) from 2-sided copies, memo routing, paper reuse, e-mail, electronic faxing, & electronic order processing; 5lbs/500 sheet ream (USEPA).
- Generator 1: reduces paper consumption by 388 reams/yr (0.97 tons) from 2-sided copies, memo routing, bulletin board, computer networking, & electronic faxing; 5lbs/500 sheet ream (USEPA).
- Generator 5: reduces paper consumption by 540 reams/yr (1.35 tons/yr) from 2-sided copies, memo routing, reuse, bulletin board & electronic purchase orders; 5 lbs/500 sheet ream (USEPA).
- Generator 4: reduces paper consumption by 1,536 reams/yr (3.84 tons) from 2-sided copies; 5lbs/500 sheet ream (USEPA); AND reduces paper towel consumption by 20 cases/mo. (7.10 tons/yr) through use of air dryers; individual cases weigh 71 lbs as reported by administrator records.
- Generator 6: reduces paper consumption by 52 reams/yr (0.13 tons) from 2-sided copies, bulletin board & electronic messaging; 5lbs/500 sheet ream (USEPA).
- Generator 8: reduces paper consumption by 468 reams/yr (1.17 tons) from 2-sided copies, reuse, bulleting board & electronic faxes; 5 lbs/500 sheet ream (USEPA) AND reduces paper towel consumption by 8 cases/yr @ 71 lbs/case (0.28 tons); records of use and weight.

Food Donations:

- Generator 2: reduces food waste disposal by 52 tons/yr by donating produce, baked goods & damaged product to local food banks; manager records.
- Generator 3: reduces food waste by donating 300 lbs/week produce, baked goods & damaged goods to local food banks (7.8 tons); manager records.
- Generator 7: reduces food waste by 6 tons/yr through price markdown policy to move aging produce before disposal becomes necessary; manager estimate based upon experience.

Food Waste Composting:

- Generator 2: backhauls 110 tons/yr organic waste (produce) to central distribution for composting; supported by weight report.

Grease/Lard/Meat Recycling:

- Generator 2: backhauls 18 tons/yr GLM to central distribution for recycling; supported by weight report.
- Generator 3: recycles 6.55-gallon drums (35 lbs. each) (5.46 tons) GLM through vendor pickup; actual weight from load tickets.
- Generator 10: recycles 150 lbs/week GLM (3.9 tons) through vendor pickup; actual weight as reported.

Plastics Recycling:

- Generator 2: backhauls 5.3 tons PET, HDPE, bags & film to central distribution for recycling; actual weight from corporate record.

Metal Recycling:

- Generator 2: backhauls 4 tons mixed metal to central distribution for recycling; actual weight from corporate record.

Metal Recycling:

Generator 2: backhauls 1.4 tons mixed metal to central distribution for recycling; actual weight from corporate records.

Grasscycling:

Generator 1: grasscycled 108.82 tons from 621,841 square feet of measured turf area in parks; 350 lbs/1,000 sf (USEPA).

Generator 4: grasscycled 190.97 tons from 1,091,250 square feet of measured turf area in school yard; 350 tons/1,000 sf (USEPA).

Generator 6: grasscycled 53.36 tons from 304,920 square feet of measured turf area in school yard; 350 lbs/1,000 sf (USEPA).

Generator 8: grasscycled 22.92 tons from 130,950 square feet measured turf area in school yard; 350 lbs/1,000 sf (USEPA).

Yard Waste Composting:

Generator 1: composted 38 tons of yard waste at local composting facility; based upon facility load tickets.

Generator 5: composted 160 tons of yard waste at local composting facility; based upon facility load tickets.

Yard Waste Mulching:

Generator 1: reduced yard waste disposal by 109.03 tons by grinding trimmings and applying to plant areas as mulch; 2,019 CY from facility manager records @ 108 lbs/CY for mixed yard trimmings (USEPA).

Concrete Recycling:

Generator 2: recycled 36 tons of concrete removed from public improvements and crushed by outside vendor who reused the material for paving projects; actual weight from vendor load tickets.

Asphalt Recycling:

Generator 1: recycled 480 tons of asphalt paving removed from public improvements and crushed by outside vendor who reused the material for local paving projects; actual weight from vendor load tickets.

Tire Recycling:

Generator 1: recycled 185 truck, light truck and passenger car tires collected from own shop and roadside cleanups which were then ground by a local contractor and used for a local rubberized asphalt paving project (5.55 tons); actual count by facility manager @ 60 lbs avg. (USEPA).

Toner Cartridge Recycling:

Generator 1: returned 44 toner cartridges to vendor for recycling (0.09 tons); actual count by facility manager @ 4 lbs. each (UCLA/USEPA).

Packaging Recycling:

Generator 1: shreds 10 lbs office paper weekly and uses material for packaging shipped goods (0.26 tons); facility manager report of practices.

Xeriscaping:

Generator 5: reduces generation by 3.5 tons by maintaining 20,000 square feet of measured landscape area in xeriscape planting in lieu of turf; estimate based upon grasscycling factor of 350 tons/1,000 sf (USEPA).

Clothing Donation:

Generator 4: donates average of 100 lbs/yr of unclaimed clothing items to charity (0.05 tons); from administrator's observation.

Generator 6: donates average of 3, 33-gallon plastic bags of unclaimed clothing items to charity monthly for 10 months each year (0.45 tons); from administrator's observation of activity @ 30 lbs/33-gal bag (LA Co).

Generator 8: donates average of 80 lbs./yr. of unclaimed clothing items to charity (0.04 tons); from administrator's observation.

Furniture & Equipment Repair:

Generator 8: annually repairs 100 furniture & equipment items (desks, fixtures, chairs) for reuse (0.5 tons); administrator's observation @ estimated average individual weight of 10 lbs.

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10. For each restricted waste type [i.e., agricultural waste, inert solids, (e.g. concrete, asphalt, dirt, etc.) scrap metals and white goods (PRC Section 41781.2)] and associated program, please provide the following information:

a. If the diversion program started on or after January 1, 1990, complete the following table.

(Note: program name refers to one specific diversion program for that waste type; (e.g., diversion conducted by City Public Waste Dept).

Restricted Waste Type	Specific Program name	Year started	Tonnage
Inert Solids ▼	Asphalt recycling by City Public Works Dept.	1995	480
Scrap Metal ▼	Copper wire recycling by communications business	1991	0
Inert Solids ▼	Concrete recycling by City Public Works Dept.	1995	36
White Goods ▼	Hauler program in response to landfill ban	1997	35
Pull Down for Waste Types ▼			
Pull Down for Waste Types ▼			

b. If the diversion program started before January 1, 1990, on a separate sheet, marked attachment 10b, provide the following documentation: (Note: If documentation for a waste type and program has already been approved by the Board, you do not have to provide an attachment 10b for that waste type and program.

Instead please provide date of Board approval of previously submitted information.

(Date)

If documentation is not available, go to 10d.

- How the diversion was the result of a local action taken by the jurisdiction, which specifically resulted in the diversion [PRC Sec. 41781.2 (c) (1)].
- That the amount of that waste type diverted from the jurisdiction in 1990 was less than or equal to the amount of that waste type disposed at a permitted disposal facility by the jurisdiction in any year before 1990. (Note: this criterion is applicable to the entire jurisdiction, not to individual programs [PRC Sec. 41781.2 (c) (2)]). Please include documentation.
- The jurisdiction is implementing, and will continue to implement, the diversion programs in its Source Reduction and Recycling Element.

c. If the diversion program started before January 1, 1990, and the documentation requested in 10b is available (but not yet approved by the Board), complete the table below for each program claimed:

Restricted Waste Type	Specific Program Name	New base year or reporting year diversion tonnage
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		

d. If the diversion program started before January 1, 1990, and the documentation requested in 10b is not available, please complete the table below for each program claimed. (**Note:** Only the difference between the new base year/reporting year and 1990 can be counted in the diversion rate calculation.)

Restricted Waste Type	Specific Program name	New base year or reporting year tonnage	1990 diversion tonnage	Difference
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				

Business Audit Diversion for the City of Desert Hot Springs

Reference Number	Business Type	Diversion Activity	Material Type	Conversion Factor and Source (QTY=Quantity, S=Source, CF=Conversion Factor)	Tons
1	HVAC Contractor	Recycling	tires	QTY: 10 tires/yr recycled by vendor, S: Mgr records, CF: 20 lbs/lt truck/passenger tire (USEPA)	0.10
2	Painting Firm	Donation	equipment	QTY: Donation of 1,000 lb press to school, S: Mgr report based on actual weight of press, CF: N/A.	0.50
		Reduction	paper	QTY: 9.6 reams/yr reduction, S: Mgr report of effect of pricing incentives for 2-sided copies based on customer activity, CF: 5 lbs/500 sheet ream (USEPA).	0.02
3	Postal Service	Reduction	paper	QTY: 100 reams/yr reduction, S: Mgr est based on reduction in paper purchases since start of program, CF: 5 lbs/500 sheet ream (USEPA).	0.25
		Reuse	pallets	QTY: 13 pallets/mo backhauled to central distribution, S: Mgr report of activity, CF: 40 lbs/pallet (USEPA)	3.12
		Recycling	tires	(Mgr reports program but unable to estimate qty.)	0.00
4	Communications	Recycling	paper	QTY: 1 CY/mo mixed paper backhauled to central distribution, S: Local mgr records, CF: 363.51 lbs/CY (USEPA).	2.12
		Reuse	pallets	QTY: 3 pallets backhauled by vendor/central distribution, S: Mgr report of activity, CF: 40 lbs/pallet (USEPA)	0.02
		Recycle	metal	QTY: 40 lbs/mo copper wire returned to corporate distribution center & recycled, S: Site mgr report of distribution center record, CF: N/A.	0.24
5	Water Treatment	Reduction	xeriscaping	QTY: 20,000 sf planted area, S: Mgr report of activity and measurement of area planted as xeriscape instead of turf, CF: 350 lbs/1,000 sf planted area for grasscycling (USEPA).	3.50
		Composting	yard waste	QTY: 160 tons yard waste, S: Mgr record of load tickets for material sent to local composter, CF: N/A.	160.00

Attachment 9
All Non-Residential Generators Surveyed

		Reduction	paper	QTY: 540 reams/yr from 2-sided copies, memo routing, reuse, bulletin board, & electronic PO's; S: Mgr report of reduction in paper consumption since start of program; CF: 5 lbs/500 sheet team (USEPA)	1.35
		Reduction	pallets	QTY: 12 pallets/yr reused; S: Mgr report; CF: 40lbs ea (USEPA)	0.24
		Composting	pallets	QTY: 36 damaged pallets/yr composted; S: Mgr report; CF: 40lbs ea (USEPA)	0.72
7	Hardware Store	Recycling	glass bottles	QTY: 1, 33-gal can of glass beverage bottles (75 lbs ea) recycled weekly at local facility; S: Store mgr record of transactions (proceeds go to employee fund); CF: N/A	1.95
		Recycling	aluminum cans	QTY: 1, 33-gal trash can of uncrushed alum cans recycled weekly at area facility; S: Store mgr record of transactions (proceeds go to employee fund); CF: 5.61 lbs/33-gal can (USEPA)	0.15
		Recycling	paint	QTY: 120 gals/yr of unsold special mix paint donated to charities for projects (avg. 12 lbs/can per store mgr.); S: Store mgr report; CF: N/A	0.72
		Recycling	OCC	Hauler program (counted elsewhere)	0.00
8	Variety Store			(No activity reported)	0.00
9	Grocery (37,000 sf)	Recycling	OCC	QTY: 162 tons; S: Corporate center report of tonnage (actual wt.); CF: N/A	162.00
		Recycling	paper	QTY: 10 tons; S: Corporate center report of tonnage (actual wt.); CF: N/A	0.10
		Reduction	paper	QTY: 226 reams/yr from 2-sided copies, memo routing, paper reuse, e-mail, electronic faxing, & electronic orders S: Mgr report of reduction in paper consumption since start of program; CF: 5 lbs/500 sheet team (USEPA)	0.56
		Reuse	pallets	QTY: 350 pallets/wk; S: Mgr record of receiving activity; CF: 40 lbs ea (USEPA)	364.00
		Reduction	food	QTY: 52 tons produce, baked goods, damaged packages donated to local food banks (mgr record based on personal inspection of outgoing goods); CF: N/A	52.00
		Composting	organics	QTY: 110 tons organic waste (produce); S: Corporate center report of tonnage (actual wt.); CF: N/A	110.00
		Recycling	meat & grease	QTY: 18 tons meat & grease; S: Corporate center report of tonnage (actual wt.); CF: N/A	18.00
		Recycling	plastics	QTY: 5.3 tons PET, HDPE, bags & film; S: Corporate center report of tonnage (actual wt.); CF: N/A	5.30
		Recycling	metal	QTY: 1.4 tons metal cans; S: Corporate center report of tonnage (actual wt.); CF: N/A	1.40
10	Grocery (34,500 sf)	Recycling	OCC/paper/plastic	QTY: 0.5 tons daily returned to central processing (actual wt.); S: Mgr records; CF: N/A	130.00
		Recycling	Land/grease/meat	QTY: 6-55gal drums @ 35lbs ea picked up by processor (actual wt.); S: Mgr records; CF: N/A	5.46
		Reuse	pallets	QTY: 200 pallets/wk returned to central distribution; S: Mgr records; CF: 40 lbs ea (USEPA)	208.00

Attachment 9
All Non-Residential Generators Surveyed

		Donation	food	QTY: 300 lbs/wk of produce, baked goods, damaged goods donated to local food banks; S: Mgr record based upon personal inspection of outgoing goods; CF: N/A. (Mgr reports program but unable to document qty.)	7.80 0.00
		Reduction	paper		
11	Grocery (10,000 sf)	Reuse	OCC	QTY: 35.85 tons OCC returned to distribution ctr or reused by customers in lieu of purchasing bags @ 5 cents ea (35.85 ton est. extrapolated from OCC generated by another grocery (ref. # 9) adjusted for size, 43.78 tons, less 7.93 tons collected in Hauler Program; S: Mgr report of practices, business ref #9 records and Hauler records; CF: N/A. QTY: 6-ton est by mgr as a result of produce markdown program designed to prevent discards; S: Mgr report of activity; CF: N/A. Hauler program (counted elsewhere)	35.85 6.00 0.00 0.00
		Reduction	food		
		Recycling	OCC		
		Reuse	pallets	(Mgr reports program but unable to document qty.)	0.00
12	Auto Parts Sales	Reduction	paper	QTY: 5 ream/wk; S: Mgr report based on reduced paper consumption since start of program; CF: 5 lbs. per 500 sheet ream (USEPA)	0.07
		Reuse	pallets	QTY: 25 pallets/mo; S: Mgr report based on receiving activity; CF: 40 lbs ea (USEPA)	6.00
		Reuse	equipment	QTY: 10 lbs/mo of used tools, equipment & supplies donated to local schools; S: Mgr est based on write-downs and reports to corporate; CF: N/A.	0.06
13	Auto Parts Sales	Reuse	shipping containers	QTY: 100 plastic shipping containers/week; S: Mgr record of receiving activity; CF: 5 lb ea (mgr weighed)	1.30
		Reuse	pallets	QTY: 15 small plastic pallets/wk; S: Mgr report of receiving activity; CF: 10 lbs ea (mgr weighed)	3.90
		Recycling	OCC	QTY: 7.81 tons (actual weight); S: Mgr report of corporate record for central processing; CF: N/A. (Mgr reports program but unable to document qty.)	7.81 0.00
		Reduction	paper		
14	Auto Parts Sales	Recycling	OCC	QTY: 2 CY flattened OCC/wk; S: Mgr report of volume returned to central distribution; CF: 50 lb/CY (USEPA)	2.60
		Reduction	paper	QTY: 1 ream/mo reduction from 2-sided copies (other reduction activities exist but not quantified); S: Mgr report of reduction in paper consumption from program inception; CF: 5 lbs/500 sheet ream (USEPA)	0.03
		Recycle	tires	QTY: 6 tires/yr recycled by vendor; S: Mgr report; CF: 20 lbs per passenger/tk tire (USEPA)	0.06
		Reuse	pallets	QTY: 12/mo returned to central distribution for reuse; S: Mgr report of receiving activity; CF: 40 lbs/pallet (USEPA)	2.88
15	Gas/Convenience Stop	Recycling	OCC	Hauler program (counted elsewhere)	0.00
16	Gas/Convenience Stop	Recycling	OCC	Hauler program (counted elsewhere)	0.00
17	Gas/Convenience Stop			(No activity reported)	0.00

Attachment 9
All Non-Residential Generators Surveyed

18	Fast Food Restaurant	Recycling	OCC	Hauler program (counted elsewhere) QTY: 5 pallets/wk. S: Mgr report of receiving activity, CF: 40 lbs/pallet (USEPA). QTY: (Hauler est.)	0.00
		Reuse	pallets		5.20
		Recycling	grease		3.90
19	Fast Food Restaurant	Recycling	OCC	Hauler program (counted elsewhere) QTY: 24 wood pallets/mo returned to vendor for reuse. S: Mgr report of receiving activity, CF: 40 lbs/pallet (USEPA). QTY: .56 ream/yr reduction from use of bulletin board. S: Mgr report of reduced paper consumption since program inception. CF: 5 lbs/500 sheet ream (USEPA). QTY: 150 lbs/wk (est based upon activity reported by similar business. S: Business ref #22. CF: N/A.	0.00
		Reuse	pallets		5.76
		Reduction	paper		0.09
		Recycling	grease		3.90
20	Fast Food Restaurant			(No activity reported)	0.00
21	Dine-in Restaurant	Reduction	food	QTY: Donates avg of 1 leftover pizza per week to local churches & schools at 1 lb ea. S: Manager report, CF: N/A.	0.03
22	Fast Food Restaurant	Recycling	grease	QTY: 150 lbs/wk (actual wt). S: Mgr record of vendor service. CF: N/A. QTY: 7.81 tons returned to central distribution (est.). S: Hauler estimate based upon quantities of OCC collected from similar businesses (ref #s 18&19. CF: N/A.	3.90
23	Dine-in Restaurant	Recycling	grease	QTY: 75 lbs/wk recovered by vendor. S: Mgr report of vendor activity. CF: N/A. QTY: 6.01 tons. S: Mgr est of 35 boxes/6-day week (based upon 175 customers per day, 60% take out, with 1/3 reusing small boxes to carry order). CF: Sm box = 1.1 lbs (USEPA).	1.95
24	Drinking Place			(No activity reported)	0.00
25	Drug Store	Recycling	OCC	Hauler program (counted elsewhere) QTY: Leftover holiday candy give to local foodbank (no qty estimate available). S: Manager. CF: N/A. (OCC backhauled to central distribution, record for individual store not available.) (No info.)	0.00
		Reuse	food		0.00
		Recycling	OCC		0.00
		Reduction	paper		0.00
26	Drug Store	Recycling	OCC	(Performed by outside vendor, unable to quantify.)	0.00
27	Drug Store	Reduction	paper	(Unable to estimate)	0.00

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28	Retail Liquor				(No activity reported)	0.00
29	Used Mdse., Antiques				(No activity reported)	0.00
30	Used Mdse., Thrift	Reduction	paper		QTY: 1.6 reams/yr reduction from routing of 100 memos to 7 employees; S: Manager report; CF: 5lbs/500 sheet ream (USEPA).	0.00
31	Florist				(Declined to participate)	0.00
32	Misc. Retail, Video	Reduction	paper		QTY: 2.8 reams/yr paper reduction from memo routing & bulletin boards; S: Mgr est based on reduction in paper consumption; CF: 5 lbs/500 sheet ream (USEPA).	0.01
		Reuse	office equipment		QTY: Donated 4 surplus computers to local schools; S: Mgr report; CF: 56 lbs ea. (LA Study).	0.11
33	Apartment Operator				(No activity reported)	0.00
34	Real Estate Office	Reduction	paper		QTY: 5 reams/yr paper reduction from 2-sided copies; S: Mgr report; CF: 5 lbs/500 sheet ream (USEPA).	0.13
		Recycling	paper		Hauler program (counted elsewhere)	0.00
35	Motel (37-room)	Recycling	alum cans		QTY: .89 lbs/wk alum cans collected by recycler; S: Mgr report; CF: N/A.	0.02
36	Hotel w/ restaurant	Recycling	cooking oil		QTY: 8-gals /wk collected on site by vendor for recycling; BS: Mgr report; CF: 7.45 lbs/gal (USEPA).	1.54
		Reduction	paper		QTY: 2 reams/mo paper reduction from 2-sided copies, reuse & electronic faxing; S: Mgr Report; CF: 5lbs/500sheet ream (USEPA).	0.06
37	Motel (24-room)				(No activity reported)	0.00
38	Hotel w/ restaurant				(No activity reported)	0.00
39	Motel				(No activity reported)	0.00

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40	Motel w/ apartments	Recycling	alum cans	(No info.)	0.00
41	Hotel, 50-rm w/ restaurant	Recycling	OCC	Hauler program (counted elsewhere)	0.00
		Reduction	paper	QTY: 5 reams/mo paper reduction from 2-sided copies, memo routing, reuse, bulletin board & electronic messaging; S: Mgr report of consumption since inception of programs; CF: 5 lbs/500 sheet ream (USEPA).	0.15
42	Beauty Salon			(No activity reported)	0.00
43	Auto Body Repair	Recycling	metal	QTY: 1,000 lbs/mo auto body parts recycled by vendor; S: Owner's records of salvage activity; CF: N/A.	6.00
44	Auto Repair			(No activity reported)	0.00
45	Assisted living residence			(No activity reported)	0.00
46	Assisted living residence	Reduction	grasscycle	QTY: 2,000 sf measured turf area mowed & grasscycled; S: Mgr report; CF: 350 lbs/1000 sf (USEPA).	0.35
		Recycling	alum cans	(No info.)	0.00
47	Elementary School	Reduction	paper	QTY: 82 reams/yr reduction from 2-sided copies, bulletin board & electronic faxing; S: Administrator's report of paper consumption since inception; CF: 5 lbs per/500 sheet ream (USEPA).	0.13
		Recycling	paper	Hauler program (counted elsewhere)	0.00
		Recycling	OCC	Hauler program (counted elsewhere)	0.00
		Reduction	clothing donation	QTY: 3, 33-gal plastic bags/mo (10 mos); S: Administrator's observation; CF: 30 lbs/33-gal plastic bag (LA Co.).	0.50
		Reduction	grasscycle	QTY: 304,920 sf measured turf area mowed & grasscycled; S: District office report; CF: 350 lbs/1000 sf (USEPA).	53.36
48	Elementary School	Reduction	paper	QTY: 488 reams office paper reduction from 2-sided copies, reuse & electronic faxing, PLUS 8-case reduction in paper towel use from installation of air dryers (71 lbs/case per audit interview); S: Administrator record of consumption reduction since inception of programs; CF: 5 lbs/500 sheet ream (USEPA).	1.45
		Reduction	furniture & equip. repair	QTY: 100 furniture & equipment items (desks, light fixtures, tables, chairs, etc.) repaired annually with an average individual weight of 10 lbs; S: Administrator observation; CF: N/A.	0.50
		Reduction	grasscycle	QTY: 130,950 sf turf grasscycled; S: District office report; CF: 350 lbs/1000 sf (USEPA).	22.92

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All Non-Residential Generators Surveyed

49	Middle School	Reduction	grasscycle	QTY: 1,091,250 sf measured turf area mowed & grasscycled; S: District office report; CF: 350 lbs/1000 sf (USEPA).	190.97
		Reduction	paper	QTY: 1,536 reams paper reduction from 2-sided copies; S: Principle's report of reduced paper consumption; CF: 5 lbs/500 sheet ream (USEPA).	3.84
		Reduction	paper	QTY: 20 paper towel cases/no replaced by use of air dryers (10 mos operation; 71 lbs/case as reported by school); S: Principle's report of paper towel purchases prior to inception of program; CF: N/A.	7.10
		Reduction	clothing donation	QTY: 100 lbs/yr unclaimed clothing donated to charity; S: Administrator report; CF: N/A.	0.05
50	Vocational sch. cosmo			(No activity reported)	0.00
52	Church	Reduction	paper	QTY: 10 reams paper reduction from 2-sided copies; S: Director's report of reduced paper consumption; CF: 5 lbs/500 sheet ream (USEPA).	0.01
53	Municipal facilities	Reduction	paper	QTY: 388 reams office paper reduction from 2-sided copies, memo routing, bulletin board, computer networking & electronic faxing; S: Mgr report of reduction of paper consumption since inception of programs; CF: 5 lbs/500 sheet ream (USEPA).	0.97
		Reduction	grasscycle	QTY: 621,841 sf measured turf area mowed & grasscycled; S: Facility mgr from maint log; CF: 350 lbs/1000 sf (USEPA)	108.82
		Recycle	tires	QTY: 185 truck, lt truck & passenger car tires ground for asphalt by vendor; S: Facility mgr records of vendor transactions; CF: N/A.	5.55
		Reuse	pallets	QTY: 48 wood pallets recycled by local vendor PLUS 12 wood pallets/yr returned to vendors; S: Facility mgr report of shipping receiving activity; CF: 40 lbs/pallet (USEPA).	1.20
		Reuse	supply containers	QTY: 12, 5-gal plastic containers refilled by vendor for reuse; S: Facility mgr records; CF: 1.9 lbs/container (USEPA).	0.01
		Recycle	packaging	QTY: 10 lbs office paper shredded weekly and used for packaging; S: Facility mgr. Record of activity; CF: N/A.	0.26
		Recycle	toner cartridges	QTY: 44 toner cartridges recycled with vendor; S: Facility mgr record; CF: 4 lbs/cartridge (UCLAUSEPA).	0.09
		Composting	yard waste	QTY: 38 tons yard waste composted at local facility; S: Facility mgr's load tickets; CF: N/A.	38.00
		Recycle	concrete	QTY: 36 tons concrete crushed and used as road base material; S: Facility mgr receipts from paving vendor; CF: N/A.	36.00
		Recycle	asphalt	QTY: 480 tons asphalt paving removed, crushed and reused by paving contractor; S: Facility mgr receipts from paving contractor; CF: N/A.	480.00
		Reduction	yard waste	QTY: 2,019 CY yard trimmings mulched by city forces and applied as ground; S: Facility mgr log of crew activities; CF: 108 lbs/CY mixed yard trims (USEPA).	109.03

Total Business Diversion 2,413.85